

**FOOD BALANCE SHEETS
BILANS ALIMENTAIRES
HOJAS DE BALANCE DE ALIMENTOS**

1964-66 **AVERAGE
MOYENNE
PROMEDIO**

**FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS, ROME, 1971
ORGANISATION DES NATIONS UNIES POUR L'ALIMENTATION ET L'AGRICULTURE, ROME, 1971
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This publication has been prepared from the information available to FAO up to 31st January 1971.

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Cette publication a été préparée sur les données dont disposait la FAO jusqu'au 31 janvier 1971.

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Esta publicación ha sido preparada con los datos recibidos por la FAO hasta el 31 de enero de 1971.

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Foreword

The present publication of 1964-66 average food balance sheets continues the series of FAO's periodical publications on the subject. Compared to earlier issues its preparation has been influenced by three important developments in FAO's work on food and agricultural statistics.

In the first place, for the majority of countries a system of supply/utilization accounts for primary and processed food and agricultural commodities, based on all information available to FAO, was recently prepared covering the period 1961-67 which provided a comprehensive and consistent set of data for the compilation of food balance sheets. In presenting the food balance sheets for these countries, the greatest possible detail has been retained to enable inter-country comparisons and to stimulate further discussions on the assumptions made by the FAO, particularly with regard to utilization statistics and technical conversion factors, which are shown in an additional table.

Secondly, systematic consultations on the food balance sheets were held in the FAO in the course of 1970 with due participation of all related statistical, economic, nutritional and technical disciplines.

Thirdly, the food balance sheets so prepared were submitted to countries for comments, which are reflected in the present version. All this has led to a largely extended geographical coverage. While the previous issue included 1960-62 average food balance sheets for 63 countries, 1964-66 data for 132 countries are shown in the present publication. Furthermore, it is our belief, that through the process of consultations with the countries and within the FAO, the informational value of the food balance sheets has been considerably improved.

The data included in this publication provided a major input in preparing the statistical base for the new edition of FAO's Agricultural Commodity Projections, issued in the Autumn of 1971. In fact a special chapter of this study deals with the implications of the projections for the world food and nutrition situation. The data will also be extensively used in future work under FAO's Perspective Study of World Agricultural Development and its contributions to the review and appraisal studies for the Second United Nations Development Decade. The entire system of supply/utilization statistics is being extended at present to maintain on computer up-to-date series from 1961 onwards to be used throughout the FAO for statistical and economic intelligence purposes.

FAO is at present engaged in promoting, through meetings of its regional statutory bodies on food and agricultural statistics, the establishment of a system of supply/utilization statistics in the countries themselves, involving all government agencies concerned, to make the best use of the available data and to stimulate lasting improvement of national statistics through the conduct of appropriate field surveys. It is my sincere hope that the present publication will contribute to these efforts.



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Introduction

The present publication continues the series of FAO's periodical publications of food balance sheets for countries. The first loose-leaf booklet of food balance sheets for 41 countries covering the pre-war period and 1947/48 was published in April 1949, with a supplement in 1950 giving 1948/49 data for 36 countries. The second booklet was published in 1955 giving 1950/51 and 1951/52 data for 33 countries, together with revised data for the pre-war period. Supplements were issued in 1956 giving 1952/53 data for 30 countries, and in 1957 giving 1953/54 and 1954/55 data for 29 countries.

For methodological reasons, it was decided in 1957 to discontinue the publication of annual food balance sheets and to publish instead, three-year average food balance sheets. The first set of three-year average food balance sheets for 30 countries was issued in 1958, covering the period 1954-56; the second for 43 countries in 1963, covering the period 1957-59 and the third, for 63 countries in 1966, covering the period 1960-62. In 1960, time series covering average periods 1935-39, 1948-50, 1951-53 and 1954-56 were published showing data for 32 countries on production, available supply, feed and manufacture, as well as per caput food supplies available for human consumption in quantity, caloric value and protein and fat content.

Food balance sheets were the main source of data used in the assessment and appraisal of the world food situation which FAO made for the pre-war period in its first World Food Survey (1946), for the early post-war period in the Second World Food Survey (1952), and for the late 1950's in its Third World Food Survey (1963) ^{1/}. For the purposes of these surveys, food balance sheets were prepared on an ad hoc basis for many more countries than had been included in the regular publications on the subject referred to earlier. Thus, the first World Food Survey was based on pre-war data for 70 countries, representing about 90% of the world population at that time, and the Third World Food Survey on data for over 80 countries relating to the late 1950's, covering some 95% of the world's population. Food balance sheets also provided a major source of information for establishing the statistical base of FAO's Indicative World Plan for Agricultural Development, ^{2/} for which purpose 1961-63 average food balance sheets were prepared for all the 64 developing countries included in the study.

In recent years, the geographical coverage of FAO's regular work on food balance sheets has been progressively extended to meet the statistical needs of FAO's contribution to the review and appraisal studies for the Second UN Development Decade, of FAO's Agricultural Commodity Projections 1970-1980 (Doc. No. CCGP 71/20) and of work initiated under FAO's Perspective Study of World Agricultural Development. This is intended to lead to the establishment of an interlinked computer storage and processing system of food and agricultural commodity data and related statistics on an up-to-date basis including all major countries of the world. Accordingly, it has been possible to include in this publication food balance sheets relating to the average period 1964-66 for as many as 132 countries. ^{3/}

^{1/} FAO: (1946): World Food Survey, FAO: Washington D.C.

- (1952): Second World Food Survey, FAO; Rome.

- (1963): Third World Food Survey, FFHC Basic Studies No. 11, FAO: Rome.

^{2/} FAO: (1969): Provisional Indicative World Plan for Agricultural Development, Document C69/4 presented to the 15th Session of the FAO Conference, FAO: Rome.

^{3/} The food balance sheet for Ghana included in this publication relates to the average period 1966-68 because the data relating to earlier years were not considered reliable by the country authorities.

The publication is divided into three parts. Part I includes detailed food balance sheets for 86 countries showing systematically supply and utilization of primary and processed products. Out of these, food balance sheets for 77 countries were derived from country-cum-commodity supply/utilization accounts for primary and derived commodities prepared in the FAO for 72 countries and by the CAIS Secretariat for their five member countries (Costa Rica, El Salvador, Guatemala, Honduras and Nicaragua), making use of national food balance sheets whenever available. 4/

Parts II and III present food balance sheets in a more aggregate form. Part II gives food balance sheets for 25 countries mainly prepared in the FAO, for which no detailed information on supply and utilization of primary and derived products was available. Eastern European countries are included in this part, as well as Southern Africa, comprising the territories of South Africa, Botswana, Lesotho, Namibia and Swaziland. No separate food balance sheets could be prepared for the constituent territories of Southern Africa in the absence of data on trade between them.

Part III includes food balance sheets for 21 countries prepared by the countries themselves and in the case of 16 OECD members received through the OECD. These are also presented in aggregate form, as the preparation of systematic sets of supply/utilization accounts for the countries in question will be undertaken in the future.

All the food balance sheets prepared in the FAO were submitted for comments and clearance to the countries concerned and the comments received are reflected in the present version of the food balance sheet.

FAO recently started work on revising the supply/utilization statistics available for the period 1961-1970, and the preparation of a publication showing consistent time series of per caput food supply by countries and commodities in terms of quantity, caloric value and nutrient content, is included in FAO's Programme of Work for 1972-73.

The food balance sheets presented in this publication provide a picture of the stocks and flows related to the supply and utilization of foodstuffs during the average period 1964-66 in the 132 countries covered. On the supply side, production, imports and net changes in stocks are distinguished. On the utilization side, a distinction is made between domestic utilization and exports. Domestic utilization is further sub-divided into utilization for food and non-food purposes. Non-food purposes comprise sector inputs, such as feed and seed, as well as uses for industrial purposes and quantities wasted during storage and transportation. In this way, estimates are obtained of food supplies available for human consumption at the retail level, i.e., as the food leaves the retail shop, or otherwise enters the household.

In general, all commodities that are potentially edible have been taken into account whether they are actually eaten or used for non-food purposes. As already indicated, the degree of detail in commodity presentation is different between the three parts. In accordance with the principles recently developed by the FAO for the establishment of supply/utilization accounts 5/, the food balance sheets in Part I cover all primary food items and, whenever feasible, products derived therefrom, up to the first stage of processing and to higher stages where important. In the food balance sheets in Parts II and III, information on both primary and derived products is given only where both move into human consumption (e.g., milk and milk products). In other

4/ The methodology of supply/utilization accounts and related food balance sheets and other derived statistics was discussed at the Third Session of FAO's Statistics Advisory Committee of Experts, Rome, June/July 1967 and at the following recent meetings of FAO's regional statutory bodies on food and agricultural statistics: 7th Session of the FAO/ECE/CES Study Group on Food and Agricultural Statistics in Europe, Geneva, December 1969; 5th Session of the Near East Commission on Agricultural Statistics, Cairo, April 1970; 5th Session of the FAO/IASI Sub-Committee on Agricultural Statistics of COINS, Washington D.C., May 1970; 3rd Session of Asian and Far East Commission on Agricultural Statistics, Bangkok, October 1970.

5/ c.f. FAO (1967): "Food Balance Sheets", paper presented at the 3rd Session of FAO's Statistics Advisory Committee of Experts, June/July 1967, Rome, Italy, and FAO: "Preparation of Supply/Utilization Balances for Food and Agricultural Commodities - Recommendations regarding methods, concepts, definitions and classifications", document considered at the sessions of the FAO regional statutory statistical bodies, referred to in Footnote 4/ above.

cases, information is given either in the form of the primary products (e.g., cereals) or of the processed products (e.g., meat, sugar and vegetable oils). Here the emphasis is still mainly on the estimation of supplies available for human consumption. A more comprehensive presentation will be given in the future after systematic supply/utilization statistics for these countries have been established.

All food balance sheets give data on per caput food supplies available for human consumption obtained by dividing the data on total supplies by the related data on the population actually partaking of it. Data on per caput food supplies are expressed in terms of quantity and by applying appropriate food composition factors also in terms of caloric value and protein and fat content.

In preparing food balance sheets in the FAO, use was made of all available statistics from countries on supply and utilization of foodstuffs. These, of course, vary a great deal between countries, both in terms of coverage as well as in accuracy, and in fact, there are many gaps, particularly regarding the statistics of utilization for non-food purposes, such as feed, seed and industrial uses, as well as those of farm, commercial and even Government stocks. To overcome the former difficulty, estimates were prepared in the FAO while the effect of the absence of statistics of stocks is considered to be reduced by preparing the food balance sheets as an average of three years. But even the statistics of production and trade, on which the accuracy of food balance sheets depends most, are, in many cases, subject to considerable improvement through the organization of appropriate statistical field surveys. The available statistics being what they are, considerable use had to be made in the preparation of the food balance sheets of evaluation techniques provided by consistency checks. Internal consistency checks are inherent in the accounting technique of the food balance sheet itself. Even more important are external consistency checks based on related supplementary information such as the results of food consumption and dietary surveys taken in various parts of the world as well as relevant technical, nutritional and economic expertise. For this purpose inter-disciplinary meetings were organized within the FAO to consider the food balance sheets prior to submitting them to countries for review, comments and approval to be included in this publication. It is believed that the food balance sheets so prepared, while often being far from satisfactory in the proper statistical sense, provide an approximate picture of the overall food situation in the countries that may be used for economic and nutritional studies, the preparation of development plans and the formulation of related projects, as in fact is being done in the FAO; it is also hoped that through identification of major gaps in the available data the improvement of national statistics at the source will be stimulated.

Concepts and Definitions Used

The notes below indicate in detail what the data in each column of the food balance sheet represent. 6/

Commodity:

Commodity groups as well as primary and derived commodities are distinguished in the food balance sheets given in Part I. Commodity groups and primary commodities are both in capital letter and are distinguished by indenting the primary commodities. Furthermore, no entries have been made in the food balance sheets in the lines occupied by the names of commodity groups. Derived commodities are also indicated in capital letters and are distinguished from the primary commodities by further indenting and by indicating, in front of the name of the derived commodity, the name of the originating primary commodity in lower case letters.

6/ For further details see FAO (1949): Handbook for the Preparation of Food Balance Sheets, FAO, Washington D.C., and the documents referred to under 5/ above.

First, second and higher stages of processing are distinguished by different degrees of indenting. If the derived product falls in a commodity group different from the one in which the primary commodity is classified, this is indicated by an asterisk in the output column. The definition of commodity groups is in accordance with the international classification adopted for food balance sheet purposes, as reproduced below. 1/

Classification of Commodities for Food Balance Sheet Purposes

CEREALS

Wheat
Rice (paddy)
Coarse grains:
 Maize
 Barley
 Oats
 Millet and sorghum
 Rye
 Others n.e.s.

STARCHY FOOD

Potatoes
Sweet Potatoes
Cassava
Yams
Plantains and bananas *
Others n.e.s. **

SUGAR

Sugar, centrifugal
Sugar, non-centrifugal
Syrups
Others n.e.s.

PULSES, NUTS AND OILSEEDS

Pulses
Nuts and kernels
Oilseeds

VEGETABLES

FRUIT

Citrus fruit:
 Oranges and tangerines
 Lemons and limes
 Others
Bananas *
Other fresh fruit
Dried fruit

MEAT (carcass weight)

Beef and veal (incl. buffalo)
Mutton, lamb and goat meat
Pigmeat
Poultry meat
Other meat n.e.s.
Offal

EGGS

FISH

Finfish
Shellfish

MILK AND MILK PRODUCTS

Milk, whole
Milk, skimmed
Cheese

FATS AND OILS

Butter (incl. ghee)
Vegetable oils
Animals fats (incl. marine oils)

MISCELLANEOUS VEGETAL

Spices
Cocoa

BEVERAGES AND BEVERAGE CROPS

Coffee
Tea
Soft beverages
Alcoholic beverages

* Bananas are included under starchy food only when no separate information is available and when bananas are considered to be a staple food in the diet, otherwise they are included under fruit.

** Dates and figs are included under starchy food when they are considered to be a staple food.

1/ FAO: Preparation of Supply/Utilization Balances ..., op. cit. (see Footnote 5/ above).

The same commodity classification has been applied in the food balance sheets in Parts II and III. As in these food balance sheets no strict distinction is made between primary and derived products, all commodities falling under specified commodity groups are listed uniformly in lower case letters under the name of the commodity group given in capital letters.

Production:

For primary items production relates to the total domestic production whether inside or outside the agricultural sector, i.e., it includes non-commercial production and production in kitchen gardens. Unless otherwise indicated, production is reported at the farm level for primary crop and livestock items (i.e., excluding harvesting losses for crops) and in terms of live weight (i.e., the actual ex-water weight of the catch at the time of capture) for primary fish items. Production of processed commodities relates to the total output of the commodity at the manufacture level (i.e., it comprises output from domestic and imported raw materials of originating products). Reporting units are chosen accordingly, e.g., cereals are reported in terms of grain or paddy rice. Whenever necessary, further clarifications are given in the food balance sheets themselves. As a general rule, all data on meat are expressed in terms of carcass weight. 8/ Usually the data on production relate to that which takes place during the years included in the reference period. In the absence of information on changes in stocks, however, production of certain crops may relate to the harvest of the year preceeding the consumption period, if harvesting takes place late in the year, as in such cases the production of a given year is largely moving into consumption in the subsequent year. In the food balance sheets of Part I, a distinction is made between "Output" and "Input". The production of primary as well as of derived products is reported under "Output". For derived commodities, amounts of the originating commodity required for obtaining the output of the derived product are indicated under "Input", expressed in terms of the originating commodity.

Changes in Stocks:

In principle this comprises changes in stocks occurring during the reference period at all levels between the production and the retail levels, i.e., it comprises changes in Government stocks, in stocks with manufacturers, importers, exporters, other wholesale and retail merchants, transport and storage enterprises and in stocks on farms. In actual fact, however, the information available often relates only to stocks held by Governments and even this is not available for a number of countries and important commodities. It is for this reason that food balance sheets are usually prepared as an average for several years as this is believed to reduce the degree of inaccuracy contributed by the absence of information on stocks. "+" relates to net increases in stocks; "-" to net decreases.

Gross Imports:

In principle this covers all movements of the commodity in question into the country, as well as of commodities derived therefrom and not separately included in the food balance sheet. It therefore includes commercial trade, food aid granted on specific terms, donated quantities and estimates of unrecorded trade for any of the types of utilization accounted for in the food balance sheet 9/. As a general rule, figures are reported in terms of netweight, i.e., excluding the weight of the container.

8/ For further details regarding the definition of carcass weight, see for example FAO (1970) Production Yearbook 1969, P. 713.

9/ Countries that exclude imports for re-exports from their trade statistics are listed in the Section "Systems of Trade" on Page IX of the 1970 FAO Trade Yearbook.

Supply:

Following the recommendations of the Third Session of FAO's Statistics Advisory Committee of Experts this concept is used in the food balance sheets of Part I to indicate the total amount of the commodity in question available during the reference period for exports and domestic utilization. It is obtained by adding to the production, the gross imports and decreases in stocks (in the food balance sheet indicated by "-") or by subtracting increases in stocks (indicated in the food balance sheet by "+"). It is hoped that this concept will be implemented uniformly after the round of regional consultations on recommendations in the field of supply/utilization statistics referred to above 10/ is completed.

Gross Exports:

In principle this covers all movements of the commodity in question out of the country during the reference period. Remarks made above under imports apply by analogy.

Available Supply:

In accordance with earlier international standards for the preparation of food balance sheets 11/, this concept has been used in the food balance sheets in Parts II and III. It relates to the total amount of the commodity in question available during the reference period for domestic utilization and is obtained by adding to the production the gross imports and decreases in stocks (indicated in the food balance sheet by "-") and subtracting gross exports and increases in stocks (indicated in the food balance sheet by "+"). To ensure comparability between the food balance sheets of Part I on the one hand and of Parts II and III on the other, an entry for "Total Domestic Utilization" has been provided in the food balance sheets of Part I which is equivalent to the "Available Supply" concept used in Parts II and III.

Domestic Utilization:

This concept is used in the food balance sheets in Part I. It comprises utilization for feed, seed, manufacture and food, and also includes quantities wasted, for which separate entries are provided, in addition to one giving total domestic utilization. It should be noted that the concept of "Total Domestic Utilization" is equivalent to the concept of "Available Supply" used in the food balance sheets in Parts II and III as indicated above.

Feed:

This comprises amounts of the commodity in question and of edible commodities derived therefrom not shown separately in the food balance sheet (but excluding by-products such as bran and oilcakes) fed to livestock during the reference period, whether domestically produced or imported. The term "Feed" has been used in the food balance sheets in Part I. In Parts II and III, which, as already indicated, still follow the 1949 international recommendations, 11/ the term "Animal feed", suggested therein, has been retained for the time being.

10/ See Footnote 4/

11/ c.f. FAO: Handbook for the Preparation of Food Balance Sheets, op. cit.

Seed:

In principle this comprises all amounts of the commodity in question used during the reference period for reproductive purposes, such as seed, sugar cane planted, eggs for hatching and fish for bait, whether domestically produced or imported.

Manufacture:

In the food balance sheets in Part I, a distinction has been made between manufacture for food and manufacture for industrial use. The amounts of the commodity in question used during the reference period for manufacture of derived commodities for which separate entries are provided in the food balance sheet, including alcoholic beverages, are shown under "Manufacture for Food". Quantities of the commodity in question used for manufacture for non-food purposes, e.g., oil for soap, are shown under "Manufacture for Industrial Uses".

In the food balance sheets in Parts II and III only one entry is provided for manufacture, recording the amounts of the commodity in question used for non-food purposes, for alcoholic beverages as well as for the manufacture of derived items for which separate entries are provided in the food balance sheet. For example, manufacture of cereals includes the amounts used for alcoholic beverages and non-food purposes, such as starch, but not amounts used for flour or milled rice as no separate entries are provided for these. On the other hand, manufacture of milk comprises the amounts used for butter, cheese and other milk products that are shown separately in the food balance sheet.

Waste:

This comprises amounts of the commodity in question and of the commodities derived therefrom not further pursued in the food balance sheet, lost through wastage during the reference period at all stages between the level at which production is recorded and the retail level, i.e., wastage in processing, storage and transportation. It excludes, however, wastage of edible and inedible parts of the commodity occurring after the retail level. Where appropriate, an allowance is made for the reduction in the weight of the commodity between the production and retail levels.

Food:

This concept is used in the food balance sheets in Part I to record the total amount of the commodity in question available for human consumption during the reference period, either in the form specified or in a processed form not further pursued in the food balance sheet. As an example, if separate entries are provided for maize and maize meal, "Food" of maize comprises only the amounts of maize eaten as such, since the amounts available in the form of maize meal, or any product derived therefrom are recorded under "Food" of maize meal. If there is however only an entry for maize, "Food" of maize comprises the amounts of maize, maize meal and any products derived therefrom available for human consumption.

Food (gross), Food (net) and Extraction Rate:

These concepts are used in the food balance sheets in Parts II and III. "Food (gross)" comprises the amounts of the commodity in question and of any commodities derived therefrom not further pursued in the food balance sheet, available for human consumption during the reference period. For example, if an entry is provided for wheat only, "Food (gross)" of wheat relates to the amounts of wheat, wheat flour and any other derived product in terms of grain, available for human consumption during the reference period. "Food (gross)" of milk relates to the amounts of milk available for human consumption during the reference period as milk, but not as

butter, cheese or any other milk product provided for in the food balance sheet. Where the data in these food balance sheets are recorded for primary commodities only, but where commodities derived therefrom appear at the retail level in a different form (e.g., cereals which usually appear at the retail level in the form of flour or milled rice) the column "Extraction rate" indicates the average national rate at which these commodities are converted from the original form into the form in which they appear at the retail level. The corresponding amount of the derived commodity is then shown under "Food (net)".

Per Caput Consumption:

The columns under this heading give estimates of per caput food supplies available for human consumption during the reference period in terms of quantity, caloric value and protein and fat content. Per caput food supplies in terms of quantity are given both in kilogrammes per year and grammes per day, caloric supplies are reported in kilocalories (Calories) per day and protein and fat supplies in grammes per day respectively. Per caput supplies in terms of quantity are derived from the total supplies available for human consumption, indicated under "Food" in the food balance sheets in Part I and under "Food (net)" in the food balance sheets in Parts II and III, through dividing by the total population actually partaking of the food supplies during the reference period, i.e., the present-in-area (de facto) population within the present geographical boundaries of the country in question at the mid-point of the reference period. In other words, nationals living abroad during the reference period are excluded but foreigners living in the country are included. Adjustments are made wherever possible for part-time presence or absence, such as temporary migrants and tourists, and for special population groups not partaking of the national food supply such as aborigines, living under subsistence conditions (if it has not been possible to include their production in the food balance sheets) and refugees supported by special schemes such as UNRRA and CARE (if it has not been possible to allow for these under imports). The population figure used in the food balance sheets is indicated in the top left-side corner.

For the purpose of calculating the caloric value and the protein and fat content of the per caput food supplies, considerable research was carried out, to obtain additional information regarding the specifications of the foods required for the choice of the appropriate food composition factors. For example, the choice of the appropriate food composition factors for wheat flour, among other factors, depends on the water content, the variety and the degree of milling. The choice of the corresponding factors for cheese depends on whether cheese is derived from whole milk, partly whole milk or skim milk from cows, sheep, goats, buffaloes, camels or other animals and whether the cheese is hard, semi-soft or soft. First-hand expert knowledge available in the FAO both in the fields of nutrition and food technology, and available national, regional and international food composition tables proved to be of particular value in this respect. For reasons of international comparability, once the commodities had been sufficiently specified, FAO's international food composition tables were generally used for the choice of the food composition factors to be actually applied ^{12/} in the food balance sheet prepared in the FAO as well as those standardized by the OECD. For the member countries of CAIS, for which the food balance sheets, as already indicated, were prepared by the CAIS secretariat, as a general rule the food composition tables prepared by the Nutrition Institute for Central America and Panama, for use in Latin America ^{13/} were utilized. In the food balance sheets received from the countries themselves national food composition tables are used as a rule. Totals of the caloric value and the protein and fat content are shown by commodity groups. In addition, a grand total is given, excluding the contribution of alcoholic and soft beverages, which is shown separately in all food balance sheets in Part I and the food balance sheets in Parts II and III, whenever related information was recorded by countries.

Technical Conversion Factors and Statistical Notes:

In all cases, where the food balance sheets were prepared in the FAO on the basis of a set of commodity supply/utilization accounts, i.e., in the food balance sheets in Part I, the assumptions underlying the estimates of the different types of utilization as well as all technical conversion factors used, are shown in a separate table. Other additional relevant information is given in notes.

^{12/} FAO (1954): Food Composition Tables (Minerals and vitamins) for international use, FAO Nutrition Studies No. 11, Rome, Italy.

^{13/} Comité Interdepartamental de Nutrición para la Defensa Nacional, Instituto Nacional para Artritis y Enfermedades Metabólicas, Institutos Nacionales de la Salud, Bethesda, Maryland, E.I.U.U. y Instituto de Nutrición de Centro América y Panamá, Ciudad de Guatemala, Guatemala, C.A.: Woot-Tsuen Wu Leung in cooperation with Marina Flores (1961): TABLA DE COMPOSICION DE ALIMENTOS PARA USO EN AMERICA LATINA

Language and Glossary:

The textual part of this publication is given in the three official languages of the FAO - English, French and Spanish, but the statistical tables in English only. Glossaries in English alphabetical order are however provided giving the French and Spanish translation of the names of all commodities and commodity groups appearing in the food balance sheets in the three parts respectively. For a number of terms not in general use, botanical names are shown side by side with the English terms to avoid any possible misunderstanding. The French and Spanish translations of the terms appearing in the column headings of the food balance sheet formats used in the three parts, as well as of the assumption sheet, are given in the French and Spanish version of the introduction.

Units and Symbols:

The units used are indicated in the food balance sheets themselves. In all cases, the metric system has been applied. Generally, data on total supply and utilization items are recorded in thousand metric tons or, in the case of small countries, in hundred metric tons or metric tons. Live animals are recorded in thousand heads or, in the case of small countries, in hundred heads or heads. Data on the quantity of the per caput food consumption are recorded in kilogrammes per year or grammes per day, the caloric value in kilocalories per day and the protein and fat content in grammes per day respectively. The following symbols have been used:

- () : FAO estimates for production, trade and changes in stocks
- * : Re-appears in another section of the food balance sheet
- : Not applicable
- A period (.) : indicates the decimal place as in English usage
- ... : not available (used only in Part III)
- / : denotes a split year falling inside the two calendar years indicated, e.g., 1964/65 denotes a twelve month period beginning sometime in 1964 and ending in 1965. The split-year used in food balance sheets usually coincides with the so-called agricultural year, the beginning of which is determined by the harvest period of major crops.
- Blank space: generally indicates none or negligible quantities (i.e., less than half of the reporting unit) except in the column "Extraction Rate" in the food balance sheets in Parts II and III where blank space indicates that there is no extraction.

CEREALSBARLEY

barley/WHOLESEED
barley/PEARLED
barley/UNHUSKED
barley/BRAN
barley/MALT
malt/BEER
malt/FEED BY PRODUCTS
barley/BEER
barley/SPIRITS

BUCKWHEAT

buckwheat/FLOUR
buckwheat/BRAN
buckwheat/HULLED

CANARYSEED

cereals/PREPARATIONS
cereals/FLOUR N.E.S.

FONIO

fonio/FLOUR
fonio/BRAN

GUINEA MAIZEMAIZE

MAIZE (Villages)

MAIZE (Farms)

maize/MEAL
maize/BRAN
maize/TORTILLAS
maize/PREPARATIONS
maize/STARCH
maize/CAKE
maize/STARCH, GLUCOSE
maize/GERM
germ/OIL
maize/OIL
maize/BEER
maize/SPIRITS

MILLET

MILLET (Villages)

millet/FLOUR
millet/BRAN
millet/BEER

CEREALESORGE

orge/GRAIN COMPLET
orge/PERLEE
orge/NON DECORTIQUEE
orge/SON
orge/MALT
malt/BIERE
malt/SOUS-PRODUIT FOURRAGER
orge/BIERE
orge/SPIRITUEUX

SARRASIN

sarrasin/FARINE
sarrasin/SON
sarrasin/DECORTIQUE

ALPISTE

céréales/PREPARATIONS
céréales/FARINE N.D.A.

FONIO

fonio/FARINE
fonio/SON

GRAND MILMAIS

MAIS (Villages)

MAIS (Farms)

mais/FARINE
mais/SON
mais/TORTILLAS
mais/PREPARATIONS
mais/AMIDON
mais/TOURTEAU
mais/AMIDON, GLUCOSE
mais/GERMES
germes/HUILE
mais/HUILE
mais/BIERE
mais/SPIRITUEUX

MILLET

MILLET (Villages)

millet/FARINE
millet/SON
millet/BIERE

CEREALESCEBADA

Cebada/GRANO ENTERO
Cebada/PERLADA
Cebada/SIN DESCASCARAR
cebada/SALVADO
cebada/MALTA
malta/CERVEZA
malta/SUBPRODUCTO FORRAJERO
cebada/CERVEZA
cebada/BEBIDAS ALCOHOLICAS

ALFORFON

alforfón/HARINA
alforfón/SALVADO
alforfón/DESCASCARADO

ALPISTE

cereales/PREPARACIONES
cereales/HARINA (sin especificar)

FONIO

fonio/HARINA
fonio/SALVADO

MAIZ DE GUINEAMAIZ

MAIZ (Aldeas)

MAIZ (Granjas)

maiz/HARINA
maiz/SALVADO
maiz/TORTILLAS
maiz/PREPARACIONES
maiz/ALMIDON
maiz/TORTA
maiz/ALMIDON, GLUCOSA
maiz/GERMEN
germen/ACEITE
maiz/ACEITE
maiz/CERVEZA
maiz/BEBIDAS ALCOHOLICAS

MIJO

MIJO (Aldeas)

mijo/HARINA
mijo/SALVADO
mijo/CERVEZA

MILLET (bajra) (Pennisetum)
 millet (bajra)/FLOUR
 millet (bajra)/BRAN

MILLET (dagusa) (eleusine)
 millet (dagusa)/FLOUR
 millet (dagusa)/BRAN

MILLET (ragi) (eleusine)
 millet (ragi)/FLOUR
 millet (ragi)/BRAN

MILLET AND SORGHUM
 millet, sorghum/FLOUR
 millet, sorghum/BRAN
 millet, sorghum/BEER

OATS
 oats/FLOUR
 oats/BRAN

OTHER
 other/FLOUR

QUINOA
 quinoa/FLOUR
 quinoa/BRAN

RICE PADDY
 paddy/MILLED
 milled/FLOUR
 milled/PREPARATIONS
 milled/STARCH
 milled/BEER
 paddy/HOME POUNDED
 paddy/HUSKED
 paddy/BRAN
 paddy/STARCH, GLUCOSE
 paddy/BEER
 paddy/SPIRITS
 paddy/TAKCHU
 paddy/CHONGJU
 paddy/YAKCHU
 rice paddy/MILLED

RYE
 rye/FLOUR
 rye/BRAN

RYE AND OATS
 rye and oats/FLOUR

MILLET (bajra)
 millet (bajra)/FARINE
 millet (bajra)/SON

MILLET (dagusa)
 millet (dagusa)/FARINE
 millet (dagusa)/SON

MILLET (ragi)
 millet (ragi)/FARINE
 millet (ragi)/SON

MILLET ET SORGHO
 millet, sorgho/FARINE
 millet, sorgho/SON
 millet, sorgho/BIERE

AVOINE
 avoine/FARINE
 avoine/SON

AUTRES CEREALES
 autres céréales/FARINE

QUINOA
 quinoa/FARINE
 quinoa/SON

PADDY
 paddy/USINE
 usiné/FARINE
 usiné/PREPARATIONS
 usiné/AMIDON
 usiné/BIERE
 paddy/DECORTIQUE AU PILON
 paddy/DECORTIQUE
 paddy/SON
 paddy/AMIDON, GLUCOSE
 paddy/BIERE
 paddy/SPIRITUEUX
 paddy/TAKCHU
 paddy/CHONGJU
 paddy/YAKCHU
 riz paddy/USINE

SEIGLE
 seigle/FARINE
 seigle/SON

SEIGLE ET AVOINE
 seigle et avoine/FARINE

MIJO (bajra)
 mijo (bajra)/HARINA
 mijo (bajra)/SALVADO

MIJO (dagusa)
 mijo (dagusa)/HARINA
 mijo (dagusa)/SALVADO

MIJO (ragi)
 mijo (ragi)/HARINA
 mijo (ragi)/SALVADO

MIJO Y SORGO
 mijo, sorgo/HARINA
 mijo, sorgo/SALVADO
 mijo, sorgo/CERVEZA

AVENA
 avena/HARINA
 avena/SALVADO

OTROS
 otros/HARINA

QUINUA
 quinua/HARINA
 quinua/SALVADO

ARROZ CON CASCARA
 con cáscara/ELABORADO
 elaborado/HARINA
 elaborado/PREPARACIONES
 elaborado/ALMIDON
 elaborado/CERVEZA
 con cáscara/PILADO A MANO
 con cáscara/DESCASCARADO
 con cáscara/SALVADO
 con cáscara/ALMIDON, GLUCOSA
 con cáscara/CERVEZA
 con cáscara/BEBIDAS ALCOHOLICAS
 con cáscara/TAKCHU
 con cáscara/CHONGJU
 con cáscara/YAKCHU
 arroz con cáscara/ELABORADO

CENTENO
 centeno/HARINA
 centeno/SALVADO

CENTENO Y AVENA
 centeno y avena/HARINA

SMALL MILLET (Pennisetum)
small millet/FLOUR
small millet/BRAN

SORGHUM
SORGHUM (Villages)
SORGHUM (Farms)
sorghum/FLOUR
sorghum/BRAN
sorghum/BEER

SWEET SORGHUM

TEFF (eragrostis)
teff/FLOUR

UNSPECIFIED
unspecified/FLOUR
unspecified/BRAN

WHEAT
wheat/FLOUR
flour/PREPARATIONS
flour/STARCH
wheat/BRAN
wheat/SEMOLINA
wheat/SPIRITS

STARCHY FOOD
ARRACACHA

ARROWROOT

BEETS

BREADFRUIT

CASSAVA
cassava/FLOUR
cassava/GARI
cassava/TAPIOCA
cassava/PUDDING
cassava/STARCH
starch/TAPIOCA

CASSAVA BITTER
cassava bitter/FLOUR

CASSAVA SWEET
flour/STARCH

PETIT MIL.
petit mil/FARINE
petit mil/SON

SORGHO
SORGHO (Villages)
SORGHO (Farms)
sorgho/FARINE
sorgho/SON
sorgho/BIERE

SORGHO DOUX

TEFF
teff/FARINE

NON SPECIFIC
non spécifique/FARINE
non spécifique/SON

BLE
blé/FARINE
farine/ PREPARATION
farine/AMIDON
blé/SON
blé/SEMOULE
blé/SPIRITUEUX

FECULENTS
ARRACACHA

ARROWROOT

BETTERAVES

ARBRE A PAIN

MANIOC
manioc/FARINE
manioc/GARI
manioc/TAPIOCA
manioc/BATON FERMENTE
manioc/AMIDON
amidon/TAPIOCA

MANIOC AMER
manioc amer/FARINE

MANIOC DOUX
farine/AMIDON

MIJO PEQUEÑO
mijo pequeño/HARINA
mijo pequeño/SALVADO

SORGO
SORGO (Aldeas)
SORGO (Granjas)
sorgo/HARINA
sorgo/SALVADO
sorgo/CERVEZA

SORGO DULCE

TEFF
teff/HARINA

CEREALES NO ESPECIFICADOS
no especificados/HARINA
no especificados/SALVADO

TRIGO
trigo/HARINA
harina/PREPARACIONES
harina/ALMIDON
trigo/SALVADO
trigo/SEMOLINA
trigo/BEBIDAS ALCOHOLICAS

ALIMENTOS AMILACEOS
ARRACACHA

ARRURRUZ

REMOLACHAS

FRUTA DEL PAN

YUCA
yuca/HARINA
yuca/GARI
yuca/TAPIOCA
yuca/PUDDING
yuca/ALMIDON
almidón/TAPIOCA

YUCA AMARGA
yuca amarga/HARINA

YUCA DULCE
harina/ALMIDON

GUINEOS

GUINEOS AND PLANTAINS

GUINEOS (incl. bananas)
maize/STARCH
starch/BEER

MAPUEY

milled/STARCH

MUSA ENSETE

OCA

OTHER

OTHER (mainly sweet potatoes)

PLANTAINS

plantains/BEER
plantains/PREPARATIONS

PLANTAINS (incl. bananas)

POTATOES

potatoes/FLOUR

rice and maize/STARCH

SAGOPITH

sagopith/FLOUR
sagopith/TAPIOCA
sagopith/STARCH

SWEET POTATOES

sweet potatoes/SPIRITS

SWEET POTATOES AND YAMS

SWEET POTATOES, YAMS, TARO

TARO

TARO (incl. Macabo)

TARO (colocasia)

TARO AND YAMS

GUINEOS

GUINEOS ET PLANTAINS

GUINEOS (y compris bananes)
maïs/AMIDON
amidon/BIERE

IGNAME

usiné/AMIDON

MUSA ENSETE

OXALIS

AUTRES

AUTRES (surtout patates douces)

PLANTAINS

plantains/BIERE
plantains/PREPARATIONS

PLANTAINS (y compris bananes)

POMMES DE TERRE

pommes de terre/FECULE

riz et maïs/AMIDON

MOELLE DE SAGOUTIER

moelle de sagoutier/FARINE
moelle de sagoutier/TAPIOCA
moelle de sagoutier/AMIDON

PATATES DOUCES

patates douces/SPIRITUEUX

PATATES DOUCES ET IGNAMES

PATATES DOUCES, IGNAMES, TARO

TARO

TARO (y compris chou-caraïbe)

TARO (colocasia)

TARO ET IGNAMES

GUINEOS

GUINEOS Y PLATANOS

GUINEOS (incluso bananos)
maíz/ALMIDON
almidón/CERVEZA

NAMES

elaborado/ALMIDON

MUSA ENSETE

OCA

OTROS

OTROS (principalmente batatas)

PLATANOS

plátanos/CERVEZA
plátanos/PREPARACIONES

PLATANOS (incluso bananos)

PATATAS

patatas/HARINA

arroz y maíz/ALMIDON

SAGRE

sagré/HARINA
sagré/TAPIOCA
sagré/ALMIDON

BATATAS

batatas/BEBIDAS ALCOHOLICAS

BATATAS Y NAMES

BATATAS Y NAMES

TARO

TARO (incluso malanga)

TARO (colocasia)

TARO Y NAMES

ULLUCUS
unspecified/TAPIOCA, SAGO
YAMS

YAUTIA (xanthosoma)

YAUTIA (malanga)

SUGAR
HONEY

nipa/JUICE

OTHER

rice, maize/GLUCOSE

sugar/RAWCENT
rawcent/REFINED
sugar/REFINED
refined/SPIRITS
sugar/PREPARATIONS
sugar/SYRUPS
sugar/MOLASSES
molasses/SPIRITS
sugar/SWEETS
sugar/JAMS

SUGAR BEET

beet/RAWCENT
rawcent/REFINED
beet/MOLASSES
molasses/SPIRITS
beet/PULP

SUGAR CANE

cane/RAW NON CENT.
raw non cent./SPIRITS
cane/RAWCENT.
rawcent./REFINED
refined/PREPARATIONS
cane/MOLASSES
molasses/SPIRITS
cane/SYRUPS
cane/SPIRITS

SUGAR CANE CRUDE

SUGAR CANE FACTORY
cane factory/RAWCENT.
rawcent./REFINED

ULLUCUS
non specific/TAPIOCA, SAGOU
IGNAMES

CHOU CARAIBE

CHOU CARAIBE (malanga)

SUCRES
MIEL

nipa/JUS

AUTRES

riz, maïs/GLUCOSE

sucres/ROUX CENTRIFUGE
roux centrifugé/RAFFINE
sucres/RAFFINE
raffiné/SPIRITUEUX
sucres/PREPARATIONS
sucres/SIROPS
sucres/MELASSE
mélasse/SPIRITUEUX
sucres/CONFISERIE
sucres/CONFITURES

SUCRE DE BETTERAVE

betterave/ROUX CENTRIFUGE
roux centrifugé/RAFFINE
betterave/MELASSE
mélasse/SPIRITUEUX
betterave/PULPE

SUCRE DE CANNE

canne/ROUX NON CENTRIFUGE
roux non centrifugé/SPIRITUEUX
canne/ROUX CENTRIFUGE
roux centrifugé/RAFFINE
raffiné/PREPARATIONS
canne/MELASSE
mélasse/SPIRITUEUX
canne/SIROPS
canne/SPIRITUEUX

SUCRE DE CANNE BRUT

SUCRE DE CANNE D'USINE
canne d'usine/ROUX CENTRIFUGE
roux centrifugé/RAFFINE

ULLUCO
sin especificar/TAPIOCA, SAGU
NAMES

YAUTIA

YAUTIA (malanga)

AZUCAR
MIEL

nipa/JUGO

OTROS

arroz, maíz/GLUCOSA

azúcar/BRUTO CENTRIFUGADO
bruto centrifugado/REFINADO
azúcar/REFINADO
refinado/BEBIDAS ALCOHOLICAS
azúcar/PREPARACIONES
azúcar/JARABES
azúcar/MELAZAS
melazas/BEBIDAS ALCOHOLICAS
azúcar/DULCES
azúcar/COMPOTAS

REMOLACHA AZUCARERA

remolacha/BRUTA CENTRIFUGADA
bruta centrifugada/REFINADA
remolacha/MELAZAS
melazas/BEBIDAS ALCOHOLICAS
remolacha/PULPA

CANA DE AZUCAR

caña/BRUTA SIN CENTRIFUGAR
bruta sin centrifugar/BEBIDAS ALCOHOLICAS
caña/BRUTA CENTRIFUGADA
bruta centrifugada/REFINADA
refinada/PREPARACIONES
caña/melazas
melazas/BEBIDAS ALCOHOLICAS
caña/JARABES
caña/BEBIDAS ALCOHOLICAS

CANA DE AZUCAR BRUTA

CANA DE AZUCAR ELABORADA
caña elaborada/BRUTA CENTRIFUGADA
bruta centrifugada/REFINADA

MAURITIUSFood balance sheet

Including beer from cereals
other than barley malt.

MEXICOAssumption sheet

Freshwater fish is converted
into cured at an extraction
rate of 20%.

Demersal fish is converted into
frozen and cured at an extraction
rate of 50% and 20% respectively.

Pelagic fish is converted into
cured and canned at an extraction
rate of 20% and 83.3%
respectively.

Crustaceans fish is converted into
frozen and cured at an extraction
rate of 59.5% and 33% respectively.

Molluscs are converted into frozen
and canned at an extraction rate of
42% and 50% respectively.

Unspecified fish is converted into
meal and oil at an extraction rate
of 20% and 1.2% respectively.

MAURICEBilan alimentaire

Y compris la bière fabriquée à
partir de céréales autres que
l'orge maltée.

MEXIQUETableau des éléments de calcul

Pour convertir les quantités de poissons
d'eau douce en quantités de poissons
traités, on applique un taux d'extraction
de 20%.

Pour convertir les quantités de poissons
démersaux en quantités de poissons congelés
et traités, on applique des taux d'extraction
de 50% et 20% respectivement.

Pour convertir les quantités de poissons
pélagiques en quantités de poissons traités
et en boîte, on applique des taux d'extraction
de 20% et 83,3% respectivement.

Pour convertir les quantités de crustacés en
quantités de produits congelés et traités,
on applique des taux d'extraction de 59,5%
et 33% respectivement.

Pour convertir les quantités de mollusques en
quantités de produits congelés et en boîte,
on applique des taux d'extraction de 42% et
50% respectivement.

Pour convertir les quantités de poissons non
spécifiés en quantités de farine et d'huile,
on applique des taux d'extraction de 20% et
1,2% respectivement.

MAURICIOHoja de balance de alimentos

Incluso cerveza de cereales distintos
de la malta de cebada.

MEXICOCuadro de supuestos

El pescado de agua dulce se convierte en
pescado curado al porcentaje de extracción
del 20 por ciento.

El pescado demersal se convierte en pescado
congelado y curado al porcentaje de extracción
del 50 por ciento y el 20 por ciento,
respectivamente.

El pescado pelágico se convierte en pescado
curado y enlatado al porcentaje de extracción
del 20 y 83,3 por ciento, respectivamente.

Los crustáceos se convierten en producto
congelado y curado al porcentaje de extracción
del 59,5 y el 33 por ciento, respectivamente.

Los moluscos se convierten en producto
congelado y enlatado al porcentaje de
extracción del 42 por ciento y el 50 por
ciento, respectivamente.

El pescado no especificado se convierte en
harina y aceite al porcentaje de extracción
del 20 por ciento y el 1,2 por ciento,
respectivamente.



ASSUMPTIONS UNDERLYING PRODUCTION AND UTILIZATION STATISTICS

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COUNTRY MEXICO

YEAR	1964-66	Average
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C R O P S	SEED rate	FEED	WASTE	MAIN DERIVED PRODUCTS		BY-PRODUCTS		D A I R Y P R O D U C T S	POPULATION PRODUCING	YIELD/year No of eggs and gr/egg or kg/animal	HATCHING or FEED	WASTE	MAIN DERIVED PRODUCTS		BY-PRODUCTS			
				Extr. rate	Derived product	Extr. rate	By-product						Extr. rate	Derived product	Extr. rate	By-product		
	kg/ha	% of supply	%		%													
Wheat	93	7.5	4	75	Flour	22	Bran	Hen eggs	40	135/40	5	10						
Rice paddy	50		5	66	Milled	10	Bran											
				500	Beer			Cow milk	12	908		5	10	Cheese	90	Whey		
Maize	20	10	7	90	Meal							4.2	Butter	95.8	Skim milk			
				63.5	Starch	27	Cake	Skim milk			18	5	12.5	Dry				
				6.5	Germ								33.3	Condensed				
				20	Spirits			Goat milk	28			5	17	Cheese	83	Whey		
Maize starch				500	Beer													
Maize germ				46	Oil													
Sorghum	15	93	2															
Barley	50	10	3	74	Malt													
Malt				651	Beer													
Oats	80	65	4	58	Flour													
Potatoes	800		10															
Sweet potatoes			7															
Other starchy food			5															
Sugar beet		95	5															
Sugar cane	5 ¹¹	2	1	11	Rawcent	35	Molasses	L I V E S T O C K	TAKE-OFF rate	CARCASS WEIGHT		OFFALS	SLAUGHTER FATS	DERIVED MEAT PRODUCTS				
				7.3	Raw non centr.					Domestic	Imported			Cured	Canned	Meal	De-hydrated	Extract
Rawcent				92	Refined													
Molasses		20		24	Spirits													
Dry beans	30		5						%	kg/animal		% of carcass weight		extraction rate: %				
Dry peas			5					Cattle	12	161		20	3					
Chick peas	35		5					Sheep	21	16	15	20	3					
Dry broad beans	30		5					Goats	25	13.8		20	3					
Lentils	30		5					Pigs	50	64		4	10					
Soybeans	40		3	19	Oil	76	Cake	Poultry	95	1								
Groundnuts in shell	40		11	70	Shelled			Horses	2	170		20						
Groundnuts shelled				46	Oil	54	Cake											
Coconuts				20	Copra			Freshwater fish is converted into cured at an extraction rate of 20%.										
Copra				64	Oil	35	Cake	Demersal fish is converted into frozen and cured at an extraction rate of										
Seedcotton				64	Cottonseed			50% and 20% respectively. Pelagic fish is converted into cured and canned										
				36	Cottonlint			at an extraction rate of 20% and 83.3% respectively. Crustaceans fish is										
Cottonseed	30		6	16	Oil	48	Cake	converted into frozen and cured at an extraction rate of 59.5% and 83%										
				8	Linters			respectively. Molluscs are converted into frozen and canned at an extrac-										
Sesameseed	10		5	45	Oil	47	Cake	tion rate of 42% and 50% respectively. Unspecified fish is converted										
Palm kernels				48	Oil	50	Cake	into meal and oil at an extraction rate of 20% and 1.2% respectively.										
Safflower	45		5	34	Oil	62	Cake											



COUNTRY M E X I C O

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(thousand metric tons unless otherwise specified)

YEAR	1964-66	Average
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COMMODITY	PRODUCTION		Changes In STOCKS	Gross IMPORTS	SUPPLY	Gross EXPORTS	DOMESTIC UTILIZATION							PER CAPUT CONSUMPTION				
	Input	Output					TOTAL	FEED	SEED	MANUFACTURE for		WASTE	FOOD	Kilogr. per year	Grams per day	CALORIES per day number	PROTEINS per day grams	FAT per day grams
										Food	Industrial use							
SUGAR																		
SUGAR BEET	-	47			47		47	45				2						
SUGAR CANE	-	25954			25954		25954	519	1400	23775		260						
cane/RAW CENT.	8921	2095	(+ 100)		1995	501	1494			1494								
raw centr./REFINED	1494	1374			1374	8	1366					1366	32.0	87.7	339	-	-	
cane/MOLASSES	8921	662			662		662	132		530								
molasses/SPIRITS	530	*																
cane/RAW NON CENTR.	4854	354			354		354					354	8.3	22.7	80	0.2	-	
sugar/PREPARATIONS	-	(523)			523	523												
HONEY	-	34			34	25	9					9	0.2	0.6	2	-	-	
Total																421	0.2	-
PULSES, NUTS AND SEEDS																		
DRY BEANS	-	917		3	920	46	874		66			46	762	17.9	48.9	167	10.8	0.8
DRY PEAS	-	5			5		5					5	0.1	0.3	1	0.1	-	
CHICK PEAS	-	122			122	4	118		6			6	106	2.5	6.8	24	1.4	0.3
DRY BROAD BEANS	-	38			38		38		1			2	35	0.8	2.2	8	0.5	-
LENTILS	-	6			6	1	5					5	0.1	0.3	1	0.1	-	
SOYBEANS	-	58	(- 3)	3	64		64		1	49		2	12	0.3	0.8	3	0.3	0.1
soybeans/OIL	49	*																
GROUNDNUTS IN SHELL	-	88			88	8	80		2	68		10						
in shell/SHELLED	68	48			48	2	46			3		43	1.0	2.8	15	0.7	1.2	
shelled/GROUNDNUT OIL	3	*																
COCONUTS	-	905			905		905			845		60	1.4	3.9	4	0.1	0.4	
coconut/COPRA	845	169			169	2	167			167								
copra/OIL	167	*																
WALNUTS and PECANNUIS	-	10			10		10					10	0.2	0.6	2	-	0.2	

COUNTRY M E X I C O

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POPULATION 42 689 (thousands)

(thousand metric tons unless otherwise specified)

YEAR 1964-66 Average

COMMODITY	PRODUCTION		Changes in STOCKS	Gross IMPORTS	SUPPLY	Gross EXPORTS	DOMESTIC UTILIZATION							PER CAPUT CONSUMPTION				
	Input	Output					TOTAL	FEED	SEED	MANUFACTURE for		WASTE	FOOD	Kilogr. per year	Grams per day	CALORIES per day number	PROTEINS per day grams	FAT per day grams
										Food	Industrial use							
FRUIT																		
ORANGES and TANGERINES	-	869		(3)	872	63	809			3		88	718	16.8	46.1	15	0.3	-
oranges-tangerines/JUICE	3	2			2	2												
LEMONS and LIMES	-	168		(3)	171	1	170			4		17	149	3.5	9.6	2	-	-
lemons-limes/JUICE	4	2			2	2												
GRAPEFRUIT	-	11			11	1	10					1	9	0.2	0.6	-	-	-
APPLES	-	124		(4)	128		128					13	115	2.7	7.4	4	-	-
apples/JUICE				1	1		1					1	-	0.1	-	-	-	-
STRAWBERRIES	-	87			87	3	84			30		9	45	1.1	2.9	1	-	-
strawberries/PRESERVED	28	33			33	33												
strawberries/PREPARATIONS	2	3			3	3												
GRAPES	-	91			91		91			5		9	77	1.8	4.9	3	-	-
grapes/WINE	5	*																
OLIVES	-	5			5		5						5	0.1	0.3	1	-	0.1
PINEAPPLES	-	221			221	18	203			95		23	85	2.0	5.5	2	-	-
pineapples/PRESERVED	94	55			55	23	32						32	0.7	2.1	1	-	-
pineapples/JUICE	1	1			1	1												
BANANAS	-	962			962	14	948					125	823	19.3	52.8	35	0.5	0.2
OTHER	-	1397		3	1400	92	1308			5		140	1163	27.2	74.6	34	0.4	0.4
other/PRESERVED	5	5		1	6	3	3						3	0.1	0.2	-	-	-
grapes/DRIED				1	1		1						1	-	0.1	-	-	-
Total																98	1.2	0.7
MISCELLANEOUS VEGETAL																		
PIMENTO	-	(22)		1	23	3	20						20	0.5	1.3	4	0.2	0.1
COCOA BEANS	-	22			22	7	15						15	0.4	1.0	4	-	0.4
Total																8	0.2	0.5



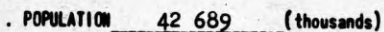
COUNTRY M E X I C O

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(thousand metric tons unless otherwise specified)

YEAR	1964-66	Average
1964-66	100	100
1967-68	100	100
1969-70	100	100
1971-72	100	100
1973-74	100	100
1975-76	100	100
1977-78	100	100
1979-80	100	100
1981-82	100	100
1983-84	100	100
1985-86	100	100
1987-88	100	100
1989-90	100	100
1991-92	100	100
1993-94	100	100
1995-96	100	100
1997-98	100	100
1999-00	100	100
2001-02	100	100
2003-04	100	100
2005-06	100	100
2007-08	100	100
2009-10	100	100
2011-12	100	100
2013-14	100	100
2015-16	100	100
2017-18	100	100
2019-20	100	100
2021-22	100	100
2023-24	100	100
2025-26	100	100
2027-28	100	100
2029-30	100	100
2031-32	100	100
2033-34	100	100
2035-36	100	100
2037-38	100	100
2039-40	100	100
2041-42	100	100
2043-44	100	100
2045-46	100	100
2047-48	100	100
2049-50	100	100
2051-52	100	100
2053-54	100	100
2055-56	100	100
2057-58	100	100
2059-60	100	100
2061-62	100	100
2063-64	100	100
2065-66	100	100
2067-68	100	100
2069-70	100	100
2071-72	100	100
2073-74	100	100
2075-76	100	100
2077-78	100	100
2079-80	100	100
2081-82	100	100
2083-84	100	100
2085-86	100	100
2087-88	100	100
2089-90	100	100
2091-92	100	100
2093-94	100	100
2095-96	100	100
2097-98	100	100
2099-00	100	100
2101-02	100	100
2103-04	100	100
2105-06	100	100
2107-08	100	100
2109-10	100	100
2111-12	100	100
2113-14	100	100
2115-16	100	100
2117-18	100	100
2119-20	100	100
2121-22	100	100
2123-24	100	100
2125-26	100	100
2127-28	100	100
2129-30	100	100
2131-32	100	100
2133-34	100	100
2135-36	100	100
2137-38	100	100
2139-40	100	100
2141-42	100	100
2143-44	100	100
2145-46	100	100
2147-48	100	100
2149-50	100	100
2151-52	100	100
2153-54	100	100
2155-56	100	100
2157-58	100	100
2159-60	100	100
2161-62	100	100
2163-64	100	100
2165-66	100	100
2167-68	100	100
2169-70	100	100
2171-72	100	100
2173-74	100	100
2175-76	100	100
2177-78		

COMMODITY	PRODUCTION		Changes In STOCKS	Gross IMPORTS	SUPPLY	Gross EXPORTS	DOMESTIC UTILIZATION						PER CAPUT CONSUMPTION					
	Input	Output					TOTAL	FEED	SEED	MANUFACTURE for		WASTE	FOOD	Kilogr. per year	Grams per day	CALORIES per day number	PROTEINS per day grams	FAT per day grams
										Food	Industrial use							
MEAT																		
CATTLE 1/	-	2603			2603	502	2101			2101								
cattle/MEAT	2101 ^{1/}	339			339	32	307				307	7.2	19.7	44	2.9	3.5		
cattle/OFFALS	2101 ^{1/}	68			68		68				68	1.6	4.4	6	0.7	0.3		
cattle/FAT	2101 ^{1/}	*																
SHEEP 1/	-	1276		39	1315		1315			1315								
sheep/MEAT	1315 ^{1/}	21			21		21				21	0.5	1.3	3	0.2	0.3		
sheep/OFFALS	1315 ^{1/}	4			4		4				4	0.1	0.3	-	-	-		
sheep/FAT	1315 ^{1/}	*																
GOATS 1/	-	2317			2317		2317			2317								
goats/MEAT	2317 ^{1/}	32			32		32				32	0.7	2.1	3	0.3	0.1		
goats/OFFALS	2317 ^{1/}	6			6		6				6	0.1	0.4	1	0.1	-		
goats/FAT	2317 ^{1/}	*																
PIGS 1/	-	4758			4758		4758			4758								
pigs/MEAT	4758 ^{1/}	305			305		305				305	7.1	19.6	74	1.9	7.3		
pigs/OFFALS	4758 ^{1/}	12			12		12				12	0.3	0.8	1	0.1	0.1		
pigs/FAT	4758 ^{1/}	*																
POULTRY 1/	-	83807			83807		83807			83807								
poultry/MEAT	83807 ^{1/}	84			84		84				84	2.0	5.4	7	0.6	0.5		
HORSES 1/	-	96			96		96			96								
horse/MEAT	96 ^{1/}	16			16	4	12				12	0.3	0.8	1	0.1	-		
horse/OFFALS	96 ^{1/}	3			3		3				3	0.1	0.2	-	-	-		
unspecified/MEAT-OFFALS				3	3		3				3	0.1	0.2	-	-	-		
meat/CANNED				1	1		1				1	-	0.1	-	-	-		
Total															140	6.9	12.1	
EGGS																		
HEN EGGS	-	189			189		189		9		19	3.8	10.3	15	1.1	1.1		
Total															15	1.1	1.1	



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(thousand metric tons unless otherwise specified)

YEAR	1964-66	Average
1964-66	100	100
1967-68	100	100
1969-70	100	100
1971-72	100	100
1973-74	100	100
1975-76	100	100
1977-78	100	100
1979-80	100	100
1981-82	100	100
1983-84	100	100
1985-86	100	100
1987-88	100	100
1989-90	100	100
1991-92	100	100
1993-94	100	100
1995-96	100	100
1997-98	100	100
1999-00	100	100
2001-02	100	100
2003-04	100	100
2005-06	100	100
2007-08	100	100
2009-10	100	100
2011-12	100	100
2013-14	100	100
2015-16	100	100
2017-18	100	100
2019-20	100	100
2021-22	100	100
2023-24	100	100
2025-26	100	100
2027-28	100	100
2029-30	100	100
2031-32	100	100
2033-34	100	100
2035-36	100	100
2037-38	100	100
2039-40	100	100
2041-42	100	100
2043-44	100	100
2045-46	100	100
2047-48	100	100
2049-50	100	100
2051-52	100	100
2053-54	100	100
2055-56	100	100
2057-58	100	100
2059-60	100	100
2061-62	100	100
2063-64	100	100
2065-66	100	100
2067-68	100	100
2069-70	100	100
2071-72	100	100
2073-74	100	100
2075-76	100	100
2077-78	100	100
2079-80	100	100
2081-82	100	100
2083-84	100	100
2085-86	100	100
2087-88	100	100
2089-90	100	100
2091-92	100	100
2093-94	100	100
2095-96	100	100
2097-98	100	100
2099-00	100	100
2101-02	100	100
2103-04	100	100
2105-06	100	100
2107-08	100	100
2109-10	100	100
2111-12	100	100
2113-14	100	100
2115-16	100	100
2117-18	100	100
2119-20	100	100
2121-22	100	100
2123-24	100	100
2125-26	100	100
2127-28	100	100
2129-30	100	100
2131-32	100	100
2133-34	100	100
2135-36	100	100
2137-38	100	100
2139-40	100	100
2141-42	100	100
2143-44	100	100
2145-46	100	100
2147-48	100	100
2149-50	100	100
2151-52	100	100
2153-54	100	100
2155-56	100	100
2157-58	100	100
2159-60	100	100
2161-62	100	100
2163-64	100	100
2165-66	100	100
2167-68	100	100
2169-70	100	100
2171-72	100	100
2173-74	100	100
2175-76	100	100
2177-78		

COMMODITY	PRODUCTION		Changes in STOCKS	Gross IMPORTS	SUPPLY	Gross EXPORTS	DOMESTIC UTILIZATION						PER CAPUT CONSUMPTION					
	Input	Output					TOTAL	FEED	SEED	MANUFACTURE for		WASTE	FOOD	Kilogr. per year	Grams per day	CALORIES per day number	PROTEINS per day grams	FAT per day grams
										Food	Industrial use							
MILK																		
COW MILK	-	2374		9	2383		2383			735		120	1528	35.8	98.1	64	3.4	3.4
milk/CHEESE	410	41			41		41						41	1.0	2.6	10	0.7	0.8
milk/BUTTER	325	*																
milk/SKIM	325	312			312		312	57		217		15	23	0.5	1.5	1	0.1	-
skim/DRY	64	8		19	27		27						27	0.6	1.7	6	0.6	-
skim/CONDENSED	153	51		4	55		55						55	1.3	3.5	10	0.3	-
GOAT MILK	-	151			151		151			128		8	15	0.4	1.0	1	-	-
milk/CHEESE	128	21			21		21						21	0.5	1.3	5	0.3	0.4
Total																97	5.4	4.6
FISH																		
FRESHWATER	-	4			4		4			1			3	0.1	0.2	-	-	-
freshwater/CURED	1	-																
DEMERSAL	-	30			30		30			10			20	0.5	1.3	1	0.1	-
demersal/FROZEN	8	4			4	4												
demersal/CURED	2	-		1	1		1						1	-	0.1	-	-	-
PELAGIC	-	56			56		56			38			18	0.4	1.2	1	0.2	-
pelagic/CURED	18	4			4		4						4	0.1	0.3	1	0.1	-
pelagic/CANNED	20	17			17		17						17	0.4	1.1	3	0.2	0.3
CRUSTACEANS	-	68			68		68			52			16	0.4	1.0	-	0.1	-
crustaceans/FROZEN	52	31			31	31												
MOLLUSCS	-	37			37		37			7			30	0.7	1.9	-	0.1	-
molluscs/FROZEN	1	-																
molluscs/CANNED	6	3			3	3												
UNSPECIFIED	-	44			44		44			37			7	0.2	0.4	-	-	-
unspecified/OIL	37	*																
Total																6	0.8	0.3

COUNTRY MEXICO

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POPULATION 42 689 (thousands)

(thousand metric tons unless otherwise specified)

YEAR 1964-66 Average

COMMODITY	PRODUCTION		Changes in STOCKS	Gross IMPORTS	SUPPLY	Gross EXPORTS	DOMESTIC UTILIZATION							PER CAPUT CONSUMPTION				
	Input	Output					TOTAL	FEED	SEED	MANUFACTURE for		WASTE	FOOD	Kilogr. per year	Grams per day	CALORIES per day number	PROTEINS per day grams	FAT per day grams
										Food	Industrial use							
OILS AND FATS																		
germ/OIL	11	5			5		5			5								
shelled groundnut/OIL	3	2			2		2					2	-	0.1	1	-	0.1	
copra/OIL	167	107			107		107			54		53	1.2	3.4	30	-	3.4	
soybeans/OIL	49	9			9		9					9	0.2	0.6	5	-	0.6	
cottonseed/OIL	885	141		9	150		150					150	3.5	9.6	85	-	9.6	
sesameseed/OIL	130	59			59		59					59	1.4	3.8	34	-	3.8	
palm kernels/OIL	26	12			12		12			12								
safflower/OIL	55	19			19		19					19	0.4	1.2	11	-	1.2	
linseed/OIL	12	4		1	5		5			5								
rapeseed/OIL	7	2			2		2					2	-	0.1	1	-	0.1	
castor beans/OIL	6	3			3		3			3								
unspec./OIL PROCESSED				2	2	2												
PALM OIL	-	14			14		14					14	0.3	0.9	8	-	0.9	
Vegetal																175	-	19.7
cattle/FAT	2101 ^{1/2}	10			10		10			8		2	-	0.1	1	-	0.1	
sheep/FAT	1315 ^{1/2}	1			1		1					1	-	0.1	1	-	0.1	
goats/FAT	2317 ^{1/2}	1			1		1					1	-	0.1	1	-	0.1	
pigs/FAT	4758 ^{1/2}	31			31		31					31	0.7	2.0	18	-	2.0	
cow milk/BUTTER	325	14			14		14					14	0.3	0.9	6	-	0.7	
unspecified fish/OIL	37	-		2	2		2			2								
Animal																27	-	3.0
Total																202	-	22.7
												GRAND TOTAL				2624	66.5	58.2
												Vegetal				2339	52.3	37.1
												Animal				285	14.2	21.1

